

PATENT CLAIMS

1. Spotlight more particularly a stage, studio, film and/or television spotlight, with a
5 light source and a spotlight housing surrounding the light source and provided with
a translucent cover element,

characterised in that

- 10 at least one wall (11 to 15) of the spotlight housing (1) has a ventilation shaft (61 to
65) with ventilation ducts (7) separated from each other.

2. Spotlight according to claim 1, **characterised in that** the ventilation shaft (61 to
15 65) is integrated in the housing wall (10 to 15) of the spotlight housing (1).

3. Spotlight according to claim 1, **characterised in that** the ventilation shaft (61 to
20 65) is fitted onto an aperture of the wall (11 to 15) of the spotlight housing (1) and
is connected to the housing wall (11 to 15).

4. Spotlight according to claim 1, **characterised in that** the ventilation shaft (61 to
25 65) is inserted into an aperture in the wall (11 to 15) of the spotlight housing (1).

5. Spotlight according to at least one of the preceding claims **characterised in that**
the ventilation shaft (61, 62) has an air outlet aperture (81) opening into one or
more apertures of the housing wall (11, 12) of the spotlight housing (1) and an air
30 inlet aperture (71) protruding from the wall (11, 12) of the spotlight housing (1).

6. Spotlight according to at least one of the preceding claims, **characterised in that**
the ventilation shaft is inserted into the wall (13, 14) of the spotlight housing (1) so
that the air inlet aperture (72) protrudes from the wall (13, 14) of the spotlight

housing (1) and the air outlet aperture (82) projects into the inside of the spotlight housing (1).

- 5 7. Spotlight according to at least one of the preceding claims **characterised in that** the ventilation shaft (65) is integrated into the wall (15) of the spotlight housing (1) so that the air inlet aperture (73) closes substantially flush with the housing wall (15) and the air outlet aperture (83) is mounted inside the spotlight housing (1).
- 10 8. Spotlight according to at least one of the preceding claims, **characterised by** ventilation ducts (7) separated from each other by means of ribs (9).
- 15 9. Spotlight according to claim 8, **characterised in that** the ribs (9) are made of a light-absorbing material and/or a light-absorbing colour and/or have light-absorbing shaping.
- 20 10. Spotlight according to claim 8 or 9, **characterised in that** the ribs (9) are designed and arranged in the ventilation shaft (61 to 65) so that the cooling air supplied through the ventilation shaft (61 to 65) is active in different regions inside the spotlight housing (1).
- 25 11. Spotlight according to one of claims 8 to 10, **characterised in that** the ribs (9) are arranged at substantially regular intervals relative to each other and to the wall of the ventilation shaft (61 to 65).
12. Spotlight according to at least one of the preceding claims, **characterised in that** the ribs (9) inside the ventilation shaft (61 to 65) have at least one bent or deflected area.

- 5 13. Spotlight according to at least one of the preceding claims, **characterised in that** the ribs (9) at the side of the air inlet aperture (71 to 73) and/or air outlet aperture (81 to 83) are arranged perpendicular to the air inlet aperture (71 to 73) and/or air outlet aperture (81 to 83).
- 10 14. Spotlight according to at least one of the preceding claims, 8 to 12 **characterised in that** the ribs (9) at the side of the air inlet aperture (71 to 73) and/or air outlet aperture (81 to 83) are arranged at an angle to the air inlet aperture (71 to 73) and air outlet aperture (81 to 83).
- 15 15. Spotlight according to at least one of the preceding claims 8 to 14, **characterised in that** the ribs (9) at the air outlet aperture (81 to 83) have an air guide plate (94) which projects beyond the air outlet aperture (81 to 83).
- 20 16. Spotlight according to at least one of the preceding claims, **characterised in that** the ventilation shafts (61, 62) are arranged on both side walls (11, 12) of the spotlight housing (1).
- 25 17. Spotlight according to at least one of the preceding claims, **characterised in that** the ventilation shafts (63, 64) are arranged on the front and back side walls (13, 14) of the spotlight housing (1).
18. Spotlight according to at least one of the preceding claims, **characterised in that** at least one ventilation shaft (65) is mounted on the underneath (15) of the spotlight housing (1).

19. Spotlight according to claim 18, **characterised in that** the air outlet aperture (83) of the ventilation shaft (65) mounted on the underneath (15) of the spotlight housing (1) opens directly adjacent the light source (2) or light source socket (5) into the inside of the spotlight housing (1).